HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P. O. Box 272400
Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 10014769-4

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Abdlmonem H. Beitelmal et al.	**Confirmation No.:**
Application No.: TBD	**Examiner:**
Filing Date: Herewith	**Group Art Unit:**

Title: METHOD AND APPARATUS FOR INDIVIDUALLY COOLING COMPONENTS OF ELECTRONIC SYSTEMS

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

(X)   under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)

( )   under 37 CFR 1.97 (c) together with either a:
( )   Statement under 37 CFR 1.97(e), or
( )   a $180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)

( )   under 37 CFR 1.97 (d) together with a:
( )   Statement under 37 CFR 1.97(e)(1) or (2), and
( )   a $180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of   _$0.00_   . At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

(X)   Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

( )   A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

( ) I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450. Date of Deposit: _____
OR
( ) I hereby certify that this paper is being transmitted to the Patent and Trademark Office facsimile number_____ on _____
Number of pages:

Typed Name:

Signature:_____

Respectfully submitted,

Abdlmonem H. Beitelmal et al.

By _____

Timothy B. Kang

Attorney/Agent for Applicant(s)
Reg. No.   **46,423**

Date: **Oct. 31, 2003**

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FORM PTO-1449	ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	10014769-4		
	APPLICANT Abdlmonem H. Beitelmal et al.		
	FILING DATE Herewith	GROUP	

REFERENCE DESIGNATION   **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	5,740,018	April 14, 1998	Rumbut, Jr.	
	1B	5,903,433	May 11, 1999	Gudmundsson	
	1C	5,943,211	Aug. 24, 1999	Havey et al.	
	1D	6,108,206	Aug. 22, 2000	Criniti et al.	
	1E	6,134,108	Oct. 17, 2000	Patel et al.	
	1F	6,159,091	Dec. 12, 2000	Horstman et al.	
	1G	6,427,466	Aug. 6, 2002	Livni	
	1H	3,609,991	Oct. 5, 1971	Chu et al.	
	1I				
	1J				
	1K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	
	1R	
	1S	

EXAMINER	DATE CONSIDERED

Rev 10/03 (PTO1449)

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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT Abdlmonem H. Beitelmal et al.

FILING DATE Herewith	GROUP

REFERENCE DESIGNATION   U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	4,817,865	April 4, 1989	Wray	
	1B	4,997,030	March 5, 1991	Goto et al.	
	1C	5,076,346	Dec. 31, 1991	Otsuka	
	1D	5,207,613	May 4, 1993	Ferchau et al.	
	1E	5,253,484	Oct. 19, 1993	Corman et al.	
	1F	5,261,243	Nov. 16, 1993	Dunsmore	
	1G	5,315,837	May 31, 1994	Lego	
	1H	5,474,120	Dec.12, 1995	Severson et al.	
	1I	5,503,032	April 2, 1996	Tikhtman et al.	
	1J	5,718,117	Feb. 17, 1998	McDunn et al.	
	1K	5,718,628	Feb. 17, 1998	Nakazato et al.	

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		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	
	1R	
	1S	

EXAMINER	DATE CONSIDERED